

Contents

1989 I, No. 1—2

Original Papers

- Comparison of the Results for the Analysis of Individual Chlorobiphenyl Congeners in Various Interlaboratory Exercises.
L. G. M. Th. Tuinstra, A. H. Roos, D. E. Wells, B. Griepink 1
- A Glucose Sensor Made by Chemically Crosslinking Glucose Oxidase Directly on the Surface of a Carbon Electrode Modified with Pd/Au for Hydrogen Peroxide Electrocatalysis.
X. Yang, G. Johansson, L. Gorton 9
- Oxidized Haematoxylin, a New Reagent for the Spectrophotometric Determination of Penicillins and Cephalosporins.
C. S. P. Sastry, P. Satyanarayana, A. Ramamohan Rao, N. Rajendra Prasad Singh 17
- Unipolar Conductivity of Donor or Acceptor Solutions.
F. D. de Kőrösy 25
- Electron Probe Microanalysis of SiO₂-Coated Minerals: Subsurface Phases in Quartz.
P. Maaskant 31
- Optical Sensor for Hydrogen Peroxide.
H. E. Posch, O. S. Wolfbeis 41
- Differential Polarography of Copper(II) Complex.
R. F. Wilson, R. C. Daniels 51
- A Simple Nebulization Reflux System for Use in ICP-AES.
F. Petrucci, P. Delle Femmine, A. Alimonti, S. Caroli 57
- A Solid-Phase Enzyme-Linked Assay for Vitamin B₁₂.
C. D. Tsalta, S. A. Rosario, G. S. Cha, L. G. Bachas, M. E. Meyerhoff 65
- Spectrophotometric Investigation of Protolytic Equilibria of Rutin.
P. Topolewski, S. Zommer-Urbańska 75

Thermal Analytical and Infrared Spectroscopic Investigations on Polymorphic Organic Compounds—II. <i>M. Kuhnert-Brandstätter, M. Riedmann</i>	81
--	----

Determination of Thorium by Adsorptive Type Chemically Modified Electrode with a Polycomplex System. <i>L.-T. Jin, Y. Shan, W. Tong, Y.-Z. Fang</i>	97
--	----

Exchange of Comments

Comment on "Determination of Chromium(VI) in Dialysis Fluids by Alternating Current and Differential Pulse Voltammetry". <i>R. Cornelis, B. Wallaey</i>	105
--	-----

Response to the Comment by R. Cornelis and B. Wallaey. <i>C. Locatelli, F. Fagioli</i>	106
---	-----

Response to the Comment by C. Locatelli and F. Fagioli. <i>R. Cornelis, B. Wallaey</i>	107
---	-----

News Section

Conference Calendar	109
-------------------------------	-----

1989 I, No. 3—4

Original Papers

Determination of Dissolved Manganese in Natural Waters by Differential Pulse Cathodic Stripping Voltammetry. <i>J. Labuda, M. Vaníčková, E. Beinrohr</i>	113
---	-----

Trace Analysis of Gallium Arsenide by Selective Evaporation of the Matrix with Bromine Vapours. <i>E. Beinrohr</i>	121
---	-----

Spectrophotometric Studies on the Platinum(IV)-Prochlorperazine Bismethanesulfonate Complex. <i>A. T. Gowda, N. M. M. Gowda, M. E. Curran</i>	129
--	-----

Matrix Separation of Palladium and Iridium by the Cellulose Anion Exchanger Cellex T and the Subsequent Determination of Palladium at the $\mu\text{g/g}$ -Level. <i>K. Brajter, K. Słonawska</i>	137
--	-----

Characterization of the Chemical Homogeneity of Solids Affected with Periodical Concentration Fluctuations Using the Statistics of Stochastic Processes. <i>G. Ehrlich, W. Kluge</i>	145
Berberine Adsorption at a Mercury Electrode. <i>Š. Komorsky-Lovrić, M. Lovrić</i>	159
Comprehensive Determination of Trace Elements in Human Saliva by ETA-AAS. <i>G. P. Sighinolfi, C. Gorgoni, O. Bonori, E. Cantoni, M. Martelli, L. Simonetti</i>	171
Spectrophotometric Study of the Acid-Base Equilibria of an Imidazobenzodiazepine, Midazolam, and Its Determination in Pharmaceutical Formulations. <i>M. M. Orive, B. Gallo, R. M. Alonso, F. Vicente, J. C. Viré, G. J. Patriarche</i>	181
Polarographic Investigation of the Cu(II) Complex with Ampicillin. <i>D. Veselinović, V. Kapetanović</i>	191
Analysis of Nitrogen-Influenced Surface Near Zones of Ferrous Materials by Glow Discharge Spectroscopy (GDOS). <i>E. Rose, P. Mayr</i>	197
Spectrophotometric Determination of Copper After Adsorption of Its 1-Phenyl-4,4,6-Trimethyl(1H, 4H)-Pyrimidine-2-Thiol Complex onto Microcrystalline Naphthalene. <i>B. K. Puri, K. W. Jackson, M. Katyal</i>	213
Application of Silver/Sulfide Ion-Selective Electrode for the Determination of Aliphatic Primary and Secondary Amines. <i>M. T. M. Zaki, M. H. Fawzy, M. M. Assey</i>	221
Determination of Trace Arsenic in Hydrofluoric Acid by Hydride Generation and Atomic Absorption Spectrometry. <i>H. Bombach, E. Weinhold</i>	229
Spectrophotometric Determination of Some Analgesic and Anti-Inflammatory Agents with 3-Methyl-2-benzothiazolinone Hydrozone Hydrochloride. <i>C. S. P. Sastry, A. R. Rao</i>	237
Investigation of Thin Surface Films by Microprobe Analysis. <i>D. M. Lüdecke, C. M. Lüdecke, T. Hehenkamp</i>	245
 <i>News Section</i>	
Announcement	257
Conference Calendar	261

1989 I, No. 5—6

Original Papers

- Chromatographic Preconcentration of Copper in Environmental and Biological Samples Using 2,4,6-Tri(2-pyridyl)-1,3,5-triazine-tetra-phenylborate-naphthalene Adsorbent.
S. Usami, S. Yamada, B. K. Puri, M. Satake 263
- Direct Lead Determination in Wine by Hydride Generation-Atomic Absorption Spectrometry.
J. Sanz, P. Basterra, J. Galban, J. R. Castillo 271
- Primary Amine Drug Sensitive Electrodes Based on Macrocyclic Polyethers with 2,2'-Dinaphthyl Subunits.
K.-Y. Liu, Z.-R. Zhang, R.-Q. Yu 281
- Reflectometric Study of Oxidation-Reduction Equilibria of Indicators Immobilized on a Non-Ionic Polymer.
R. Narayanaswamy, F. Sevilla III 293
- Simultaneous Determination of Cobalt(III)-Copper(II) and Cobalt(III)-Nickel(II) Mixtures by Differential Kinetic Methods.
J. J. Arias, A. I. Jiménez, F. Jiménez 303
- Spectrophotometric and First-Derivative Spectrophotometric Determination of Cadmium with *o*-Hydroxybenzenediazoaminoazobenzene (HDAA).
C.-G. Hsu, W. Wang, L.-P. Yang, J.-M. Pan, Y.-F. Wang 313
- Spectrophotometric Determination of Some Pharmaceutically-Important Aminoquinoline Antimalarials.
F. A. Ibrahim, A. El-Brashy, F. Belal 321
- Complex Compounds of Tetracycline with WO_4^{2-} and MoO_4^{2-} Ions. Investigation by pH-Metric and Conductometric Methods.
D. Veselinović, M. Jelikić-Stankov 329
- The Reaction of Se(IV) with 2-Aminodiphenylamine and Its Application to Spectrophotometric Determination of Selenium in a Strongly Acidic Medium.
B. Kasterka 337
- Determination of Antimony in Waste Water by Micelle Solubilization Spectrophotometry.
X.-C. Qiu, Y.-Q. Zhu, G.-P. Liu 349
- Spectrophotometric Titration of Phenothiazines Using 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone.
M. Rizk, N. A. Zakhari, F. Ibrahim, M. I. Walash 355

An Improved Laser Fluorimeter for the Detection of Traces of Uranium.

R. Zhang, Y. Lin, J. Cheng 365

Thermal Analytical and Infrared Spectroscopic Investigations on Polymorphic Organic Compounds—III.

M. Kuhnert-Brandstätter, M. Riedmann 373

Haematoxylin, a Novel Indicator by the Determination of Phosphorus.

R. É. Dávid 387

2-(α -Pyridyl)-thioquinaldinamide (PTQA)—A Novel Fluorimetric Reagent in Inorganic Trace Analysis. I: The Nonextractive, Nonquenching Fluorescent Method for the Determination of Chromium(VI).

B. K. Pal, A. K. Chakrabarti, M. J. U. Ahmed 393

Indirect Determination of Thionic Compounds by Nephelometric Determination of Barium Sulfate.

P. Kofos, M. Sofoniou, A. Voulgaropoulos 403

Coulometric Redox Titrations of Some Biologically Active Thiols with Iodine in Methanol and Bromine in Acetic Acid.

T. J. Pastor, J. Barek 407

News Section

Announcement of Meeting 415

Conference Calendar 416

Abstracted/Indexed in: Current Contents, SCI, ASCA, Analytical Abstracts, Biosis, Chemical Abstracts